EK748827364US

GG119-3US.ST25 SEQUENCE LISTING

Risinger, Carl <110> Andersson, Maria K. Lewander, Tommy Olaisson, Erik Detection of CYP3A4 and CYP2C9 Polymorphisms <120> GG119.3US <130> GB 0021286.0 <150>

2000-08-30 □<151>

\0 \0 ==<160> 72

Patentin version 3.1

<210> 1 <211> 1345 <212> DNA

homo sapi\ens **!** <213>

<400> 1 ctgcagtgac cactgcccca tcattgctgg ctgaggtggt tggggtccat ctggctatct 60 gggcagctgt tctcttdtct cctttctctc ctgtttccag acatgcagta tttccagaga 120 gaaggggcca ctctttggca aagaacctgt ctaacttgct atctatggca ggacctttga 180 agggttcaca ggaagcadca caaattgata ctattccacc aagccatcag ctccatctca 240 tccatgccct gtctctcctt taggggtccc cttgccaaca gaatcacaga ggaccagcct 300 gaaagtgcag agacagcagc tgaggcacag ccaagagctc tggctgtatt aatgacctaa 360 gaagtcacca gaaagtcaga aggatgcata gcagaggccc agcaatctca gctaagtcaa 420 ctccaccagc ctttctagt η gcccactgtg tgtacagcac sctggtaggg accagagcca 480

					GG119-3US	S.ST25		
	tgacagg	gaa	taagactaga	ctatgccctt	gaggagctca	cctctgttca	gggaaacagg	540
	cgtggaa	aca	caatggtggt	aaagaggaaa	gaggacaata	ggattgcatg	aaggggatgg	600
	aaagtgc	cca	ggggaggaaa	tggttacatc	tgtgtgagga	gtttggtgag	gaaagactct	660
	aagagaa	ggc	tctgtctgtc	tgggtttgga	aggatgtgta	ggagtcttct	agggggcaca	720
	ggcacac	tcc	aggcataggt	aaagatctgt	aggtgtggct	tgttgggatg	aatttcaagt	780
	attttgg	aat	gaggacagcc	atagagacaa	gggcargaga	gaggcgattt	aatagatttt	840
	atgccaa	tgg	ctccacttga	gtttctgata	agaacccaga	acccttggac	tccccagtaa	900
	cattgat	tga	gttgtttatg	atacctcata	gaatatgaac	tcaaaggagg	tcagtgagtg	960
	gtgtgtg	tgt	gattctttgc	caacttccaa	ggtggagaag	cctcttccaa	ctgcaggcag	1020
	agcacag	gtg	gccctgctac	tggctgcagc	tccagccctg	cctccttctc	tagcatataa	1080
	acaatco	aac	agcctcactg	aatcactgct	gtgcagggca	ggaaagctcc	atgcacatag	1140
	cccagca	aag	agcaacacag	agctgaaagg	aagactcaga	ggagagagat	aagtaaggaa	1200
	agtagtg	atg	gctctcatcc	cagacttggc	catggaaacc	tggcttctcc	tggctgtcag	1260
Y D	cctggtg	ıctc	ctctatctgt	gagtaactgt	tcaggctcct	cttctctgtt	tcttggactt	1320
	ggggtcg	ıtaa	tcaggcctct	ctttt				1345
. 	-210-	2						
	<210> <211>	2						
ĝ		19						
J	<212>	DNA	thatic					
Ų	<213>	Syn	thetic					
j	4005	2						
þ.	<400> acaaggg	2 gcaa	gagagaggc					19
	-210-	2						
	<210>	3						
	<211>							
	<212>	DNA						
	<213>	Syn	thetit					
	100	_						
	<400> acaagg	_	gagagaggc					19
	.210	4						
	<210>							
		(1)						

	<212>	DNA						
	<213>	synt	hetic					
	<400> agggcaa	4 agag						10
	<210>	5						
	<211>	10						
	<212>	DNA						
	<213>	synt	hetic					
	<400> agggcag							10
	<210>	6						
ಷಭ		2438	}					
	<212>	DNA						
		homo	sapiens					
Ţ								
45. 12. 12.	<400>	6	*******	+ < + < < < < < < < < < < < < < < < < <	2+6+2+22+	c+++c+++c+	ataaactaaa	60
. 3			atcccttcta					120
=4,			aggagccgca					180
# #	_		atgaaatgat					240
			tttctgttag					
			gtataaaggc					300
			tcttctgacc					360
			tttgaaaata					420
			atattggtgg					480
			gcttatgggt					540
			tgaatcttca					600
			gtaattgaga					660
			cctgttaaaa					720
			ttaataaaag					780
	atgata	tctt	taaagaaaat	ggctttgcac	aagtattgac	attaatgatc	tagtaaagtg	840

			GG119-3US	.ST25		000
tatctttcta	gttgtattta	gatcctcaac	tcagtatgtc	agctcctgtt	aaggtctata	900
cattgtggtg	gttctgtgct	gtgggtccat	ttagtgattt	ccctacctcc	catcttytat	960
tgcatccaca	actgtggttc	tgtccataat	ttcctttgct	ttctgtgcat	tattacatca	1020
tatctgaaaa	tgagaaacca	aaaacaatrg	aaagcagcca	tgtctggagg	tgactggggg	1080
gtcgagaagc	cctagtttct	caaaccctta	gcaccaaatt	tttccctcag	ttacactgag	1140
cgtttcactt	ctgcagtgat	ggaraaggga	gatcccttat	ttcttctcat	gagcatctct	1200
ggtgctgttt	cccttagaga	caaataaggg	gttctattta	atgtgaagcc	tgttttatga	1260
acagaataaa	tgtggtgtat	attcagaata	actaatgttt	ggaagttgtt	ttatttttgc	1320
taaaaattgt	tctcaaggca	gctctggtgt	aagagataat	acaccacgat	gggcatcaga	1380
agacctcagc	tcaaatccca	gttctgccag	ctatgagctg	tgtggcacca	acaggtgtcc	1440
tgttctccca	gggtctccct	tttcccattt	gaaaaataaa	aaataacaat	tcctgccttc	1500
aggaatttt	tttagggggt	ttaatkgtaa	aggtgtttat	atctgctaag	gtaatttact	1560
				gctatttcat		1620
₩ _= ctgtatttt	agtaggctat	attaaatatt	tgaaaggatt	wmattataaa	gaacaaagtc	1680
tcctaatctt	tgatatagca	ttgacatact	ttttaaatat	acaaggcata	gaatatggcc	1740
atttctgtta	aatcatatat	tcccaactgg	ttattaatct	aagaattcag	aattttgagt	1800
aattgctttt	gcatcagatt	atttacttca	gtgctctcaa	ttatgatggt	gcattagaac	1860
- 1 catctgggtt 10	aacatttgtt	ttttattacc	aatacctagg	ctccaaccaa	gtacagtgaa	1920
[[] [[] actggaatgt	acagagtgga	caatggaacg	aaggagaaca	agaccaaagg	acattttatt	1980
f tttatctgta	tcagtgggtc	aaagtccttt	cagaaggagc	atatagtgga	cctaggtgat	2040
≟ tggtcaattt	atccatcaaa	gaggcacaca	ccgaattagc	atggagtgtt	ataaaaggct	2100
tggagtgcaa	gctcatggtt	gtcttaacaa	gaagagaagg	cttcaatgga	ttctcttgtg	2160
gtccttgtgc	tctgtctctc	atgtttgctt	ctcctttcac	tctggagaca	gagctctggg	2220
agaggaaaac	tccctcctgg	ccccactcct	ctcccagtga	ttggaaatat	cctacagata	2280
					gtggcttgca	2340
aaaggtaagt	aaattcacct	gtattttta	aataaagtgt	atccctagag	gtacatgtta	2400
caagaggtaa	tggtaaagta	aaatactttg	aaaggctt			2438

<210> 7

<211> 20

<212> DNA

<213> synthetic

	:400> :cagcct	7 gaa agtgcagaga	20
<	:210>	8	
<	211>	25	
<	212>	DNA	
<	<213>	synthetic	
1	<400> ccttaga	8 agtc tttcctcacc aaact	25
•	<210>	9	
•	<211>	20	
	<212>	DNA	
	<213>	synthetic	
II. II			
± .	<400>	g ctgt ctctccttta	20
n	cargoo		
	<210> <211>	10	
	<211>	19	
IJ.	<212>	DNA	
J	<213>	synthetic	
nd.			
	<400>	10 cctt catgcaatc	19
	ccaccc		
	<210>	11	
	<211>	11	
	<212>	DNA	
	<213>	synthetic	
	<400> agcacc	11 ctgg t	11
	∠210 >	12	

<211>	11			
<212>	DNA			
<213>	synthetic			
<400> agcacge				11
<210>	13			
<211>	11			
<212>	DNA			
<213>	synthetic			
<400> = accagg	13 gtgc t			11
<210>	14			
	11			
<u>=</u> <212>	DNA			
	synthetic			
G <400> □ accago □ <210>	14 gtgc t			11
[] == <210>	15			
<211>	11	•		
<212>	DNA			
<213>	synthetic			
<400> gtgtgt	15 acag c			11
<210>	16			
<211>	11			
<212>	DNA			
<213>	synthetic			

	<400> gctgtac		11
	<210>	17	
	<211>	11	
	<212>	DNA	
	<213>	synthetic	
	<400> tggtcc	17 ctac c	11
	<210>	18	
		11	
J 1.5	<212>	DNA	
	<213>	DNA synthetic	
TŽI	<400>	18	11
÷	ggtagg	gacc a	
		19	
	<210> <211>	25	
4	<212>	DNA	
	<213>	DNA synthetic	
cĒ.			
	<400>	19 ggaa tttagaacaa atatg	25
	<210>	20	
	<211>	23	
	<212>	DNA	
	<213>	synthetic	
	<400> gcacag	20 yaaag caaaggaaat tat	23
	_		
	<210>	21 _	

	<211>	27	
	<212>	DNA	
	<213>	synthetic	
	<400>	21 aga tcctcaactc agtatgt	27
	tytatti	aga tecteaucte ageatge	
	<210>	22	
	<211>	21	
	<212>	DNA	
	<213>	synthetic	
Land Hard	<400>	22 ccct tctccatcac t	21
ll unu	<210>	23	
4	<211>	23	
	<212>	DNA	
-	<213>	synthetic	
- H	<400>	23 ttta gtgatttccc tac	23
-		ttta gtgattteet tac	
ä	<210>	24	
		25	
	<212>	DNA	
	<213>	synthetic	
	<400>	24	25
	атасас	caca tttattctgt tcata	رے
	<210>	25	
	<211>	22	
	<212>	DNA	
	<213>	synthetic	

	<400> ccaaatt	25 cttt ccctcagtta ca	22
	<210>	26	
	<211>	20	
	<212>	DNA	
	<213>	synthetic	
		·.	
	<400> ttggtg	26 ccac acagctcata	20
	<210>	27	
1		20	
	<212>	DNA	
	<213>	DNA synthetic	
ű			
	<400>	27 agga atttttta	20
1	<210> <211>	28	
1	<211>	25	
	<212>	DNA	
-E	<213>	synthetic	
	<400>	28 ggga atatatgatt taaca	25
	ccagec	ggga acacacgact caaca	
	<210>	29	
	<211>	25	
	<212>	DNA	
	<213>	synthetic	
		29 gtat ttttagtagg ctata	25
	<210>	30	
	<7 TO>	JO	

	<211>	22	
		DNA	
	<213>	synthetic	
	<400>	30	22
	cgttcca	ittg tccactctgt ac	
	<210>	31	
	<211>	20	
	<212>	DNA	
	<213>	synthetic	
	<400>	31	
that that	tcaagg	31 cagc tctggtgtaa	20
# H	<210>	32	
H mm	<211>	25	
4	<212>	DNA	
-	<213>	synthetic	
Harrie II			
9	<400>	32	
	agttgg	gaat atatgattta acaga	25
	<210>	33	
	<211>		
	<212>		
		synthetic	
	(223)	- Cyntender C	
	<400>	22	
	atcttc		11
	.21A	24	
	<210>		
	<211>		
	<212>		
	<213>	synthetic	

<400> 3 atctttta	34 att g
<210> 3	35
<211> 1	11
<212> C	DNA
<213> s	synthetic
<400> 3 acaataga	
<210>	36
<211>	11
= <212> [DNA
<212> [] <213> !	synthetic
.≐ <400> : ,≟ acaatgga	36
.n <210>	37
<210> 3 (1) <211> 3	11
₹ <212> ।	DNA
= <213>	DNA synthetic
<400> atggaga	
<210>	38
<211>	11
<212>	DNA
<213>	synthetic
<400> atggaaa	
<210>	39

	<211>	11
	<212>	DNA
	<213>	synthetic
	<400>	
	ttaatg	ylaa a
	<210>	40
	<211>	11
	<212>	DNA
	<213>	synthetic
den in the first light light		
	<400>	40 otaa a
	LLAALL	gtaa a
	<210>	41
	<211>	12
14	<212>	DNA
		synthetic
7.7		
### W	<400>	41 catt at
# 45mm 45mm 4	ggaccc	.cacc ac
IJ -		42
	<211>	12
	<212>	DNA
	<213>	synthetic
	<400>	42 aatt at
	ggacto	
	<210>	43
	<211>	11
	<212>	DNA
	<213>	synthetic

<400> caatag	43 Jaaga t
<210>	44
<211>	11
<212>	DNA
<213>	synthetic
<400> caataa	44 aaaga t
<210>	45
= <2 11 >	11
<212>	DNA
0 = <213> .u	DNA synthetic
400> ctttct	
= <210>	46
T 1757	11
<212>	DNA
≟ <213>	synthetic
<400> ctttc	46 cattg t
<210>	47
<211>	11
<212>	DNA
<213>	synthetic
<400> ccctt	47 ctcca t
<210>	48

	<211>	11	
	<212>	DNA	
	<213>	synthetic	
	<400> ccctttt		11
	ccccc		
	<210>	49	
	<211>	11	
	<212>	DNA	
	<213>	synthetic	
	<400> tttacca	49 atta a	1:
Ü	cccacc		
	<210>	50	
ļ.	<211>	11	
		DNA	
	<213>	synthetic 50 atta a	
Ö			
u	<400>	50 atta a	1:
LJ			
4	<210>	51	
	<211>	12	
	<212>	DNA	
	<213>	synthetic	
	<400>	51 aaat cc	1
	<210>	52	
	<211>	12	
	<212>		
	<213>	synthetic	

<400> ataatt	taat cc	12
<210>	53	
<211>	11	
<212>	DNA	
<213>	synthetic	
<400> taccto	53 cccat c	11
<210>	54	
<211>	11	
212>	DNA	
	DNA synthetic	
aaccaa	J 4	11
月 : <210>	55	
[] [] <211>	11	
.↓ <2 12 >	DNA	
<213>	DNA synthetic	
<400> ctgcag	55 gtgat g	13
<210>	56	
<211>	11	
<212>	DNA	
<213>	synthetic	
<400> tagggg	56 ggttt a	1:
<210>	57	

<211> 1	1	
<212> D	NA .	
<213> s	ynthetic	
<400> 5		1
atttgaaa	igg a	_
<210> 5	58	
<211> 1	1	
<212> D	DNA	
<213> s	ynthetic	
<400> 5		1
□ gatgggag	ggt a	_
210> 5 <210> 5 <211> 1	59	
[<211>]	11	
L.L	DNA	
(T) <213>	synthetic	
5 1 1		
Q <400> '	59	1
tgttttt	ggt C	
in many	60	
<211>	11	
<212>	DNA	
<213>	synthetic	
<400>		1
catcact	gca g	-
<210>	61	
<211>	11	
<212>	DNA	
<213>	synthetic	

	> 61 ccccct a
<210	> 62
<211:	> 11
<212	> DNA
<213	> synthetic
	> 62 ttcaaa t
<210	> 63
<211	> 11
.≓ ₫ <212	> DNA
□ = <213	> synthetic
in cg cg	> DNA > synthetic > 63 gatgca a
[] <210	> 64
(0 <211	> 11
<212	> DNA > synthetic
- <213	> synthetic
)> 64 ggctgct t
<210)> 65
<211	l> 11
<212	2> DNA
<213	3> synthetic
	D> 65 gatctcc c
<210	0> 66

<211>	11		
<212>	DNA		
<213>	synthetic		
<400> taaaca			1
<210>	67		
<211>	11		
<212>	DNA		
<213>	synthetic		
<400>	67		1
in the contract of the contrac	,		
√ <210>	68		
70 <210> F <211>	11		
^{‡=} <212>	DNA		
(= <213>	synthetic		
<d400></d400>	68		1
i ttgcat	icac a		_
[]<210>	69		
<211>	11		
<212>	DNA		
<213>	synthetic		
<400>	69		1
aagcag	yccat g		_
<210>	70		
<211>	11		
<212>	DNA		
<213>	synthetic		

<400> gggaga	70 atccc t
<210>	71
<211>	11
<212>	DNA
<213>	synthetic
<400> aaagg1	71 tgttt a
<210>	72
<211>	
☐ <212>	DNA
다 는 <213> 다	DNA synthetic
¥ ≟ <400> ≟ tataaa	72 agaac a
A., A. A., A., A., A., A., A., A., A., A	
<u>L</u>	